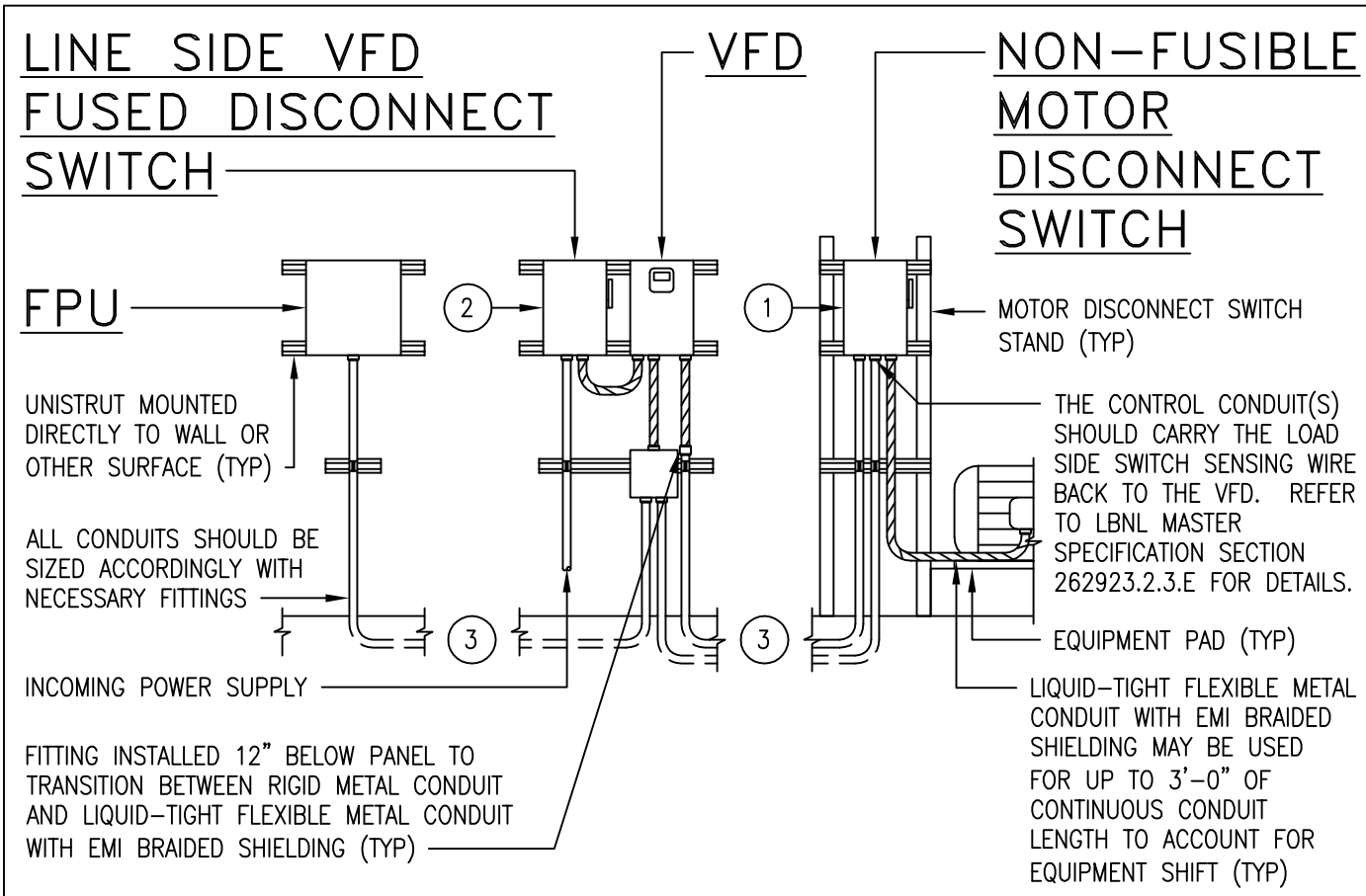

SHEET NOTES:

1. THIS ELEVATION AND SCHEMATIC REPRESENT THE MINIMUM COMPONENTS AND REQUIREMENTS FOR MOTOR WIRING AND OPERATION AT LAWRENCE BERKELEY NATIONAL LABORATORY, AND IS DESIGNED TO ACCOMMODATE ALL VARIETY OF EQUIPMENT TYPES AND SELECTIONS THAT MEET THESE REQUIREMENTS. FOR MORE DETAILED REQUIREMENTS REGARDING INSTALLATION AND OPERATION, REFER TO THE LBNL MASTER SPECIFICATIONS, PARTICULARLY SECTION 262923.

2. ENCLOSURES SHALL BE RATED NEMA-1 FOR DRY LOCATIONS AND NEMA-3R FOR DAMP AND WET LOCATIONS.

KEYED NOTES:

(1) IF LINE SIDE VFD FUSED DISCONNECT IS NOT WITHIN CLEAR SIGHT OF MOTOR, PROVIDE A NON-FUSIBLE MOTOR DISCONNECT SWITCH, LOCKABLE IN THE OPEN POSITION, WITHIN CLOSE VICINITY OF MOTOR IN ACCORDANCE WITH NEC ARTICLE 110.26, WORKING SPACE WIDTH, HEIGTH, AND DEPTH REQUIRMENTS.

(2) LINE SIDE VFD FUSED DISCONNECT MUST BE LOCKABLE IN THE OPEN POSITION. LOCATE LINE SIDE VFD FUSED DISCONNECT WITHIN CLEAR SIGHT OF VFD. VFD UNITS WITH A LINE SIDE DISCONNECT INTEGRATED INTO THE UNIT QUALIFY AS LONG AS THE LINE SIDE DISCONNECT IS LOCKABLE IN THE OPEN POSITION.

(3) CONDUIT TO AND FROM VFD MUST BE BOTTOM ENTRY PER VFD DESIGN. CONDUIT MAY BE ROUTED OVERHEAD IF NECESSARY UNLESS OTHERWISE NOTED.

CONSTRUCTION DETAILS & DESIGN GUIDELINES
LBNL ELECTRICAL STANDARDS
VFD LAYOUT

DRAWN BY	DAB	DATE 10/20/2015
CHECKED BY	DAB	10/20/2015
APPROVED BY	GAT	11/20/2015
SCALE	NONE	
DRAWING NO.	INS-128	SHEET
PROJECT NO.	CDDG	

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY NATIONAL LABORATORY
FACILITIES DIVISION